

L4 ANSWER 386 OF 561 CA COPYRIGHT 2004 ACS on STN

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TI Hydraulic cement with high durability and strength

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PA Onoda Cement Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C04B007-345

CC 58-1 (Cement, Concrete, and Related Building Materials)

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63248751	A2	19881017	JP 1987-79717	19870402
PRAI	JP 1987-79717		19870402		

AB The hydraulic cement contains $11\text{CaO} \cdot 7\text{Al}_2\text{O}_3 \cdot \text{CaX}_2$ (X = halogen) 5-30, anhydrite 5-30, $\text{Al}(\text{OH})_3$ and/or $\text{Al}_2(\text{SO}_4)_3$ 0.5-10%, and balance Ca silicate and/or siliceous powder at a $(\text{CaO} \cdot 3\text{Al}_2\text{O}_3 \cdot \text{SO}_3)/\text{SiO}_2$ mol ratio 1.0 to 1.7. Thus, cement, comprising $11\text{CaO} \cdot 7\text{Al}_2\text{O}_3 \cdot \text{CaF}_2$ 13, C₃S 27, blast-furnace slag 40, anhydrite 19, and $\text{Al}(\text{OH})_3$ 1 wt. %, was mixed with sand, alkali-resistant glass fiber, Mighty 150, HNO_3 (as setting retardant), and water, molded, and hardened to give a cement product having initial, 7-, and 91-day bending strength 240, 320, 290 kg/cm², resp.

ST calcium aluminate hydraulic cement; silicate calcium hydraulic cement; anhydrite hydraulic cement; aluminum hydrixodde hydraulic cement; blast furnace slag hydraulic cement

IT Glass fibers, uses and miscellaneous

RL: USES (Uses)
(cement reinforced with, manuf. of